

QP Code:101112

Reg.No.:.....

**PG Degree Supplementary Examinations in Pharmacology (MD) -
November 2015**

Paper I – General Pharmacological Principles and Applied Sciences

Time: 3 hrs

Max marks:100

- *Answer all questions*
- *Draw diagrams wherever necessary*

Essays: (20)

1. Define volume of distribution and mention about factors that affect drug distribution. Add a note of its clinical significance.

Short essays: (8x10=80)

2. Controlled release preparations advantages and disadvantages.
3. Rational drug therapy.
4. Structure activity relationship of opioids.
5. Drug synergism and drug antagonism.
6. Applications of gene therapy in disease states.
7. Placental transfer of drugs.
8. Tyrosine kinase receptors and drugs acting on it.
9. Drug metabolism.
